

Government
Publications

Government
Publications

Canada. Dept. of Forestry.
Forest Products Research Branch
List of publications

CA1
FR36
L36

REVISED
AUGUST 1963

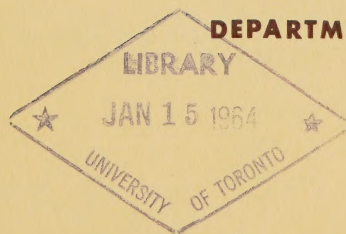
Government
Publications

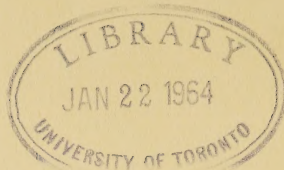
LIST OF PUBLICATIONS

**OF THE
FOREST PRODUCTS
RESEARCH BRANCH**

**OTTAWA AND VANCOUVER
LABORATORY LABORATORY**

**DEPARTMENT OF FORESTRY
CANADA**





877203

Issued under the authority of
The Honourable John R. Nicholson, P.C., M.P.
Minister of Forestry
Ottawa, 1963

FOREST PRODUCTS RESEARCH BRANCH

Director - J.H. Jenkins

Superintendent, Ottawa Laboratory
H. Schwartz

Superintendent, Vancouver Laboratory
J.A.F. Gardner

ROGER DUHAMEL, F.R.S.C.
QUEEN'S PRINTER AND CONTROLLER OF STATIONERY
OTTAWA, 1963

FOREWORD

The Forest Products Research Branch - Department of Forestry, Canada - comprises a Branch Headquarters, with Research Laboratories located at Ottawa and Vancouver.

Research at both Laboratories follows generally similar lines and is concerned with the determination of the mechanical, physical, and chemical properties of Canadian commercial timber species. Research and investigations extend to the fields of conversion and utilization. All research work is planned to obtain data and information essential to an informed utilization of wood.

For the past fifty years, during which time forest products research has been carried on by FPRB, an extensive and comprehensive record of data and information have been accumulated. As important and informative data have become available, they have served as the basis for various types of reports.

In this manner the end results of research have been widely circulated so that they could serve as basic information for the planning of industrial improvements and developments. This is a continuing policy of the FPRB and new publications are prepared and released whenever warranted.

The following pages list all publications carried in stock at date of printing.

FOREST PRODUCTS RESEARCH BRANCH

A graphic presentation of forest products research in Canada is contained in a new publication entitled "Forest Products Research Branch". Beginning with the history and role of the Branch and its two Laboratories, the publication covers fields of activity, co-operative functions, research program, organization, personnel, and dissemination of information. Over forty illustrations supplement the text of this 28-page booklet. Copies are available on request.

TO OBTAIN PUBLICATIONS

Requests for publications (other than "Canadian Woods") should be addressed to:

Ottawa Laboratory,
Forest Products Research Branch,
Department of Forestry,
Ottawa.

- or -

Vancouver Laboratory,
Forest Products Research Branch,
Department of Forestry,
6620 N.W. Marine Drive,
Vancouver 8, B.C.

"Canadian Woods" is the only publication in this List for which there is a charge.

English Printing, Second Edition \$4.00

Requests for "Canadian Woods", together with cheque or money order payable to the RECEIVER GENERAL OF CANADA, should be addressed to:

Queen's Printer,
Ottawa, Ontario.

RESEARCH NEWS

"Research News" is a bi-monthly publication compiled by the Forest Products Research Branch. It contains brief reports and descriptions of current research work conducted at the Ottawa and Vancouver Laboratories as well as other items of interest to the wood-using industries.

Each issue of "Research News" includes a list of titles of the latest publications released by the FPRB. Therefore reference to "Research News" will provide a bi-monthly supplement for this "List of Publications".


On request, addresses will be added to the FPRB mailing list to receive future copies of "Research News".

CONTENTS

The following are general subject headings only. Please refer to the indicated page for a listing of individual publications available under each general heading.

ENGLISH PUBLICATIONS

	<u>PAGE</u>
ANATOMY	1
CHEMISTRY	2
CONTAINERS and PACKAGING	5
FIBRE and PARTICLE BOARD	6
GENERAL PROPERTIES AND USES	6
GLUES and GLUING	7
GLULAM and other ENGINEERED WOOD PRODUCTS	8
PAINTS and PROTECTIVE COATINGS	9
PATHOLOGY - DECAY and STAINS	9
PHYSICS	10
PRESERVATION	11
RESEARCH and INDUSTRIAL DEVELOPMENTS	13
RESIDUE UTILIZATION	14
SEASONING	15
STRENGTH and RELATED PROPERTIES	17
TIMBER HARVESTING and LUMBER MANUFACTURE	18
VENEER and PLYWOOD	20
MISCELLANEOUS	22



Digitized by the Internet Archive
in 2022 with funding from
University of Toronto

<https://archive.org/details/31761115559767>

ENGLISH PUBLICATIONS

- * - An asterisk denotes a publication which is cross referenced under more than one subject heading.

ANATOMY

- * Bulletin 94 Density and Rate of Growth in the Spruces and Balsam Fir of Eastern Canada, J.D. Hale and J.B. Prince, 1940 - (0).
- * " 100 Effects of Chemical Treatment of Pulpwood Trees, D.C. McIntosh, 1951 - (0).
- * Circular 30 Rate of Growth and Density of the Wood of White Spruce, J.D. Hale and K.G. Fensom, 1931 - (0).
- * Tech. Note 13 The Effect of Compression Wood on the Mechanical Properties of White Spruce and Red Pine, E. Perem - (0).
- " " 23 Some Effects of Repeated Drying and Wetting on Wood Properties, Clayton T. Keith - (0).
- Structure of Wood, J.D. Hale. (Chapter 3 of book "Canadian Woods: Their Properties and Uses", 1951) - (0).
- * O-158 - Studies of the Floating Properties of Pulpwood Logs, D.C. McIntosh, 1951.
- O-186 - Importance of Compression Wood and Tension Wood in Appraising Wood Quality, J.D. Hale, E. Perem, L.P. Clermont, 1961.
- * Determination of the Fibre-Saturation Point of Wood by Centrifuging, E. Perem. (Reprinted from Forest Products Journal, April 1954) - (0).
- * Shrinkage of Red Oak and Beech, D.C. McIntosh. (Reprinted from Forest Products Journal, Oct. 1955) - (0).
- * Thickness and Density of Bark. Trends of Variation for Six Pulpwood Species, J.D. Hale. (Reprinted from Pulp and Paper Magazine of Canada, Dec. 1955) - (0).
- * The Anatomical Basis of Dimensional Changes of Wood in Response to Changes in Moisture Content, J.D. Hale. (Reprinted from Forest Products Journal, April 1957) - (0).
- * Transverse Shrinkage of Red Oak and Beech, D.C. McIntosh. (Reprinted from Forest Products Journal, March 1957) - (0).
- * Review of Literature on Bark Adhesion and Methods of Facilitating Bark Removal, E. Perem. (Reprinted from Pulp and Paper Magazine of Canada, Sept. 1958) - (0).
- * Physical and Anatomical Characteristics of Hardwoods, J.D. Hale. (Reprinted from Pulp and Paper Magazine of Canada, Dec. 1958) - (0).

(ANATOMY - continued)

- * The Effect of Compression Wood on the Mechanical Properties of White Spruce and Red Pine, E. Perem. (Reprinted from the Forest Products Journal, Aug. 1958) - (O).
- Characteristics of Annual Rings in Relation to Wood Quality in White Spruce, C.T. Keith. (Reprinted from Forest Products Journal, March 1961) - (O).
- The Definition of Normal Characteristics of Wood of Variable Species, J.D. Hale. (Reprinted from Recent Advances in Botany, 1961) - (O).
- Minimum Requirements for Defining Species Norms for Quality of Variable Woods, J.D. Hale. (Reprinted from TAPPI, July 1962) - (O).
- Spiral Grain in Red Alder, R.W. Kennedy and G.K. Elliott. (Reprinted from the Forestry Chronicle, Sept. 1957) - (V).
- Is Spiral Grain the Normal Growth Pattern? P.L. Northcott. (Reprinted from Forestry Chronicle, Dec. 1957) - (V).
- Spiral Grain in Wood, P.L. Northcott. (Reprinted from British Columbia Lumberman, Nov. 1958) - (V).
- The Development of a Power Increment Borer, J.T. Yelf. (Reprinted from the Forestry Chronicle, Sept. 1962) - (V).

CHEMISTRY

- Circular 62 Chemical Composition of Western Red Cedar Bark, G. Eastwood, K. Cram, F. W. King and H. Schwartz, 1947 - (O).
- * Pub. No. 1008 Cedar Leaf Oils, F. Bender, 1963 - (O).
- Pub. No. 1023 The Chemistry and Utilization of Western Red Cedar, J.A.F. Gardner, 1963 - (V).
- Chemical Utilization of Wood, C. Greaves and H. Schwartz. (Chapter 8 of the book "Canadian Woods: Their Properties and Uses", 1951) - (O).
- O-114 - Improved Wood - Brief Review of Various Developments, 1946.
- O-123 - Canada Balsam - Its Preparation and Uses, F.G. Marriott. (Revised by F. Bender, 1951).
- O-135 - Production of Pine Tar by the Destructive Distillation of Canadian Softwoods, H. Schwartz and C. Greaves, 1944.
- O-153 - Review of Literature on Decay in Pulpwood, its Measurement, and its Effect on Wood Properties and Pulp Quality, D.W. Glennie and H. Schwartz, 1950. (Reissued 1955).
- V-1009 - Tannin for the Leather Industry from Sea-Water Floated Western Hemlock Bark, H. MacLean and J.A.F. Gardner, 1950.

(CHEMISTRY - continued)

- V-1010 - Tannin for the Oil Industry from Sea-Water Floated Western Hemlock Bark, H. MacLean and J.A.F. Gardner, 1950.
- Studies on the Chemical Composition of Bark and its Utilization for Structural Board, L.P. Clermont and H. Schwartz. (Paper presented at National Annual Meeting, Forest Products Research Society, 1948) - (0).
- Canadian Wood Bark as a Source of Tannin, C. Greaves. (Reprinted from Canada Lumberman, May 1949) - (0).
- Chemical Utilization of Wood and Wood Waste, H. Schwartz. (Reprinted from Chemistry in Canada, Jan. 1950) - (0).
- Chemical Composition of Canadian Woods, L.P. Clermont and H. Schwartz, Parts 1 and 2. (Reprinted from Pulp and Paper Magazine of Canada, Dec. 1951 and May 1952) - (0).
- Delignification of Spruce Sawdust with Chlorine Dioxide, N. Levitin and H. Schwartz. (Paper delivered at 7th Annual National Meeting, F.P.R.S., Memphis, Tenn., 1953) - (0).
- Strength Properties of Chlorine Dioxide Pulps from Sawdust, N. Levitin and H. Schwartz. (Reprinted from Pulp and Paper Magazine of Canada, July 1954) - (0).
- Fractionation and Identification of the Hemicellulose Components of Black Spruce, L.P. Clermont. (Reprinted from Pulp and Paper Magazine of Canada, October 1955) - (0).
- Microbiological Utilization of Cellulose and Wood. 1. Laboratory Fermentations of Cellulose by Rumen Organisms, D.W. Stranks. (Reprinted from Canadian Journal of Microbiology, Feb. 1956) - (0).
- The Effect of Swelling Agents and Catalysts on Acetylation of Wood, L.P. Clermont and F. Bender. (Reprinted from Forest Products Journal, May 1957) - (0).
- The Chemical Composition and Pulping Characteristics of Normal and Tension Wood of Aspen Poplar and White Elm, L.P. Clermont and F. Bender. (Reprinted from the Pulp and Paper Magazine of Canada, July 1958) - (0).
- Bark Utilization, A Continuing Problem, F. Bender. (Reprinted from Timber of Canada, June 1959) - (0).
- Fermenting Wood Substrates with a Rumen Cellulolytic Bacterium, D.W. Stranks. (Reprinted from Forest Products Journal, July 1959) - (0).
- Effect of Solutions of Nitrogen Dioxide, Sulphur Dioxide, Hydrogen Sulphide, and Chlorine in Dimethylformamide and Dimethylsulphoxide on Wood, L.P. Clermont and F. Bender. (Reprinted from Pulp and Paper Magazine, Jan. 1961) - (0).
- * Utilization of Aspen Wood Residues, D.W. Stranks. (Reprinted from Forest Products Journal, July 1961) - (0).

(CHEMISTRY - continued)

- The Nature of the Lignin - Carbohydrate Linkage in Wood -- Fractionation of Ball-Milled Wood Solubilized with Ethylene Oxide, H.H. Brownell and K.L. West. (Reprinted from Pulp and Paper Magazine of Canada, Aug. 1961) - (O).
- The Fatty Acids of Aspen Poplar, Basswood, Yellow Birch and White Birch, L.P. Clermont. (Reprinted from Pulp and Paper Magazine of Canada, Dec. 1961) - (O).
- Ether Extractives of Red and White Pine, N. Levitin. (Reprinted from Pulp and Paper Magazine of Canada, March 1962) - (O).
- * Extractives of Red and White Pine and Their Effect on Painted Lumber, N. Levitin. (Reprinted from Timber of Canada, June 1962) - (O).
- Characterization of a Lignin Isolated by the Action of Sulphur Dioxide in Dimethylsulphoxide on Spruce Wood, L.P. Clermont. (Reprinted from Pulp and Paper Magazine of Canada, August 1962) - (O).
- * Deterioration of Wooden Dry Kilns Used for Drying Western Hemlock Lumber, H. MacLean and J.A.F. Gardner. (Reprinted from The Lumberman, Dec. 1951) - (V).
- Economics of Tannin Production from Sea-Water Floated Hemlock Bark, D.S. Scott and J.A.F. Gardner. (Reprinted from British Columbia Lumberman, April 1952) - (V).
- * Bark Extracts in Adhesives, H. MacLean and J.A.F. Gardner. (Reprinted from Pulp and Paper Magazine of Canada, 1952) - (V).
- Paper Chromatography of Phenolic Substances, G.M. Barton, R.S. Evans and J.A.F. Gardner. (Reprinted from "Nature", Aug. 1952) - (V).
- Some Chemical and Plastic Properties of Western Red Cedar Butt Rot, H. MacLean and J.A.F. Gardner. (Reprinted from Forest Products Journal, Nov. 1953) - (V).
- * Heartwood Extractives in Digester Corrosion. H. MacLean and J.A.F. Gardner. (Reprinted from Pulp and Paper Magazine of Canada, Nov. 1953) - (V).
- * Aluminum Sheet Linings for Wooden Kilns, H. MacLean and J.A.F. Gardner. (Reprinted from The Lumberman, Dec. 1953) - (V).
- Analytical Method of Thujaplicins, H. MacLean and J.A.F. Gardner. (Reprinted from Analytical Chemistry, April 1956) - (V).
- Occurrence of 2, 7-Dihydroxy-4-Isopropyl-2,4,6-Cycloheptatrien-1-one (7-Hydroxy-4-Isopropyltropolone) in Western Red Cedar (Thuja Plicata Donn.). J.A.F. Gardner, G.M. Barton, H. MacLean. (Reprinted from Canadian Journal of Chemistry, Sept. 1957) - (V).
- Determination of Dihydroquercetin in Douglas Fir and Western Larch Wood, G.M. Barton and J.A.F. Gardner. (Reprinted from Analytical Chemistry, Feb. 1958) - (V).

(CHEMISTRY - continued)

- Distribution of Fungicidal Extractives in Target Pattern Heartwood of Western Red Cedar, H. MacLean and J.A.F. Gardner. (Reprinted from Forest Products Research Society Journal, March 1958) - (V).
- The Extraneous Components of Western Red Cedar, J.A.F. Gardner and G.M. Barton. (Reprinted from Forest Products Journal, June 1958) - (V).
- The Polyoxyphenols of Western Red Cedar (*Thuja Plicata* Donn.). I. Isolation and Preliminary Characterization of Plicatic Acid. J.A.F. Gardner, G.M. Barton and Harold MacLean. (Reprinted from Canadian Journal of Chemistry, 1959) - (V).
- The Distribution of Dihydroquercetin in Douglas Fir and Western Larch. J.A.F. Gardner and G.M. Barton. (Reprinted from Forest Products Journal, March 1960) - (V).
- The Polyoxyphenols of Western Red Cedar (*Thuja Plicata* Donn.) II. Degradation studies on plicatic acid, a possible lignan acid, J.A.F. Gardner, B.F. MacDonald, and Harold MacLean. (Reprinted from Canadian Journal of Chemistry, 1960) - (V).
- The Phenolics of Three Western Canadian Conifers (P-4), G.M. Barton. (Reprinted from Plant Phenolics and their Industrial Significance, Aug. 1962) - (V).
- The Occurrence of Matairesinol in Mountain Hemlock (*Tsuga mertensiana*), Western Hemlock (*Tsuga heterophylla*), and Balsam (*Abies amabilis*), G.M. Barton and J.A.F. Gardner. (Reprinted from the Journal of Organic Chemistry, 1962) - (V).
- Lignin Model Compounds - II. Preparation and Properties of 1-Hydroxy-1-(4-Hydroxy-3-Methoxyphenyl)-2-Propanone, J.A.F. Gardner, D.W. Henderson and Harold MacLean. (Reprinted from Canadian Journal of Chemistry, 1962) - (V).
- The Extractives of Western Red Cedar Inner Bark (P-7), Eric P. Swan. (Reprinted from TAPPI, April 1963) - (V).

CONTAINERS and PACKAGING

- | | | |
|------------|------|----------------------------------------------------------------------------------------------|
| Circular | 24 | Strength of Reinforced and Unreinforced Butter and Cheese Boxes, G.H. Rochester, 1929 - (0). |
| " | 39 | The Design of Wooden Boxes, R.S. Millett, 1948 - (0). |
| Tech. Note | 17 | The Selection and Use of Wood in Protective Packing, C.H. Nethercote - (0). |
| " | " 22 | Design of Containers and Interior Packing, J.M. Rudnicki - (0). |
| " | " 29 | The Principles and Problems of Export Packing, C.H. Nethercote - (0). |
- Shipping Containers, W. Butterworth. (Chapter 12 of book "Canadian Woods: Their Properties and Uses", 1951) - (0).

(CONTAINERS AND PACKAGING - continued)

O-106 - Effect of Slant Driving on the Holding Power of Nails,
R.S. Millett, 1938.

Recent Developments in Containers, W. Butterworth. (Paper presented at the
National Annual Meeting, Forest Products Research Society,
1950) - (0).

Domestic and Overseas Shipping Need Efficient Protective Packs, W. Butterworth.
(Reprinted from Canadian Packaging, June 1951) - (0).

A Scientific Approach to the Design of Wood Containers and the Design and Use
of Pallets, J.M. Rudnicki. (Reprinted from Forest Products
Journal, April 1955) - (0).

Effects of Moisture Content on Strength and Use of Nailed Wooden Boxes,
C.H. Nethercote. (Reprinted from Lumber Dealer and Buyer,
Sept. 1957) - (0).

Ottawa Laboratory Assists Industry with Packaging Research. C.H. Nethercote.
(Reprinted from Packaging Progress, July 1959) - (0).

Performance Test for Poultry Containers, J.M. Rudnicki. (Reprinted from
Packaging Progress, December 1959) - (0).

Particle Board as a Packaging Material, C.H. Nethercote. (Reprinted from
Packaging Progress, March 1960) - (0).

FIBRE and PARTICLE BOARD

Bulletin 120 Production of Wallboard from Wood Waste, F. Bender and F. King,
1956 - (0).

* Tech. Note 6 Wood Residues as Pulp Material and Developments in Wallboard
Production, J.A. Doyle and F. Bender - (0).

* " " 31 Use of Wood and Wood Residues in Production of Fibreboard and
Particle Board, H. Schwartz and F.W. King - (0).

Production of Insulating Fibreboard from Western Red Cedar Shingle Mill Waste,
F.W. King and F. Bender. (Reprinted from Pulp and Paper
Magazine of Canada, Jan. 1951) - (0).

Spruce and Balsam Bark as a Source of Fibre Products, F. Bender. (Reprinted
from Pulp and Paper Magazine of Canada, Sept. 1959) - (0).

The Manufacture of Particle Board, F. Bender and F.W. King. (Reprinted from
Canadian Woodworker, July 1960) - (0).

GENERAL PROPERTIES and USES

Book - CANADIAN WOODS: Their Properties and Uses, 1951. (400 pages 8½"x 11",
available through the Queen's Printer, Ottawa, and commercial
bookstores - Price \$4.00).

(GENERAL PROPERTIES and USES - continued)

- Bulletin 98 Red Alder in British Columbia, K.W. Rymer, 1951 - (V).
- * " 101 Sawdust as Fuel in Eastern Canada, 1951 - (O).
- " 114 Yellow Cedar: Its Characteristics, Properties and Uses, R.S. Perry, 1954 - (V).
- Circular 55 Wooden Tanks in Industry, M.J. Brophy, 1939 - (O).
- Tech. Note 24 Properties and Utilization of Canadian Poplars, J.D. Irwin and J.A. Doyle - (O).
- Commercial Timbers of Canada, T.A. McElhanney - (Chapter 2 of book "Canadian Woods: Their Properties and Uses", 1951) - (O).
- V-1011 - Properties and Uses of Black Cottonwood, K.W. Rymer and F.W. Guernsey, 1951.
- V-1026 - The Characteristics and Significance of Spruce, K.G. Fensom, Nov. 1959.
- Wood Flour Production in Canada, E.H. Buckley. (Reprinted from Canada Lumberman, May 1952) - (O).
- Use of Spiraled Grain Wood, P.L. Northcott. (Reprinted from British Columbia Lumberman, Feb. 1959) - (V).

GLUES and GLUING

- Bulletin 96 Animal Glues and Their Use in Woodworking, G.L. Rosser, 1939 - (O).
- * " 110 Dielectric Heating as Applied to the Woodworking Industries, R.W. Peterson, 1954 - (O).
- Circular 50 Vegetable Glues for Plywood and Veneers, G.L. Rosser and W. Gallay, 1937 - (O).
- * Tech. Note 4 The Dielectric Properties of Resin Glues for Wood, T.J.S. Cole and O.S. Roscoe - (O).
- " " 8 Durability of Urea-Formaldehyde and Casein Adhesives at Elevated Temperatures, E.G. Bergin - (O).
- " " 12 Effect of Wood Moisture Content on Gluing, E.G. Bergin - (O).
- Report No. 191 The Gluability of Fire-Retardant-Treated Birch Veneer. E.G. Bergin, 1962 - (O).
- * Veneers, Plywoods and Wood Adhesives, D.G. Miller - (Chapter 10 of the book "Canadian Woods: Their Properties and Uses", 1951) - (O).
- Polyvinyl Resin Emulsion Woodworking Glues, E.G. Bergin. (Reprinted from Canadian Woodworker, July 1951) - (O).

(GLUES and GLUING - continued)

- * Radio-Frequency Power Requirements for Edge-Gluing, R.W. Peterson. (Reprinted from "Wood", Sept. 1951) - (O).
- * Edge-Gluing by Dielectric Heating, R.W. Peterson. (Reprinted from Canadian Woodworker, Feb. 1952) - (O).
- * Electrode Systems for Stray Field Heating, D.G. Miller. (Reprinted from Canadian Woodworker, Aug. 1958) - (O).
- Choice of Right Glue Vital for Laminated Structural Timbers, R.W. Peterson. (Reprinted from Canadian Woodworker, Sept. 1959) - (O).
- * Dielectric Heating: Its application to wood bonding, D.G. Miller. (Reprinted from Canadian Woodworker, 1962) - (O).
- Contact Glues' Characteristics Offer Opportunities (P-21), E.G. Bergin and V. Godin. (Reprinted from Canadian Wood Products Industries, April 1963) - (O).
- * Bark Extracts in Adhesives, H. MacLean and J.A.F. Gardner. (Reprinted from Pulp and Paper Magazine of Canada, 1952) - (V).
- How to Glue Pre-treated Laminating Stock, P.L. Northcott. (Reprinted from Canada Lumberman, Oct. 1957) - (V).
- Water Relations in Phenolic (Plywood) Bonds, P.L. Northcott, W.V. Hancock, and H.G.M. Colbeck. (Reprinted from the Forest Products Journal, Oct. 1962) - (V).

GLULAM and other ENGINEERED WOOD PRODUCTS

- Tech. Note 9 The Efficiency of Scarf Joints, A.P. Jessome - (O).
- Pub. No. 1009 Knot Frequency Study of Laminating Grades for Western Hemlock, T.W. Littleford, 1963 - (V).
- Glued Laminated Construction and Timber Fastenings, D.E. Kennedy and J.M. Rudnicki - (Chapters 11 and 13 of book "Canadian Woods: Their Properties and Uses", 1951) - (O).
- Panels for House Construction, W. Thornber, 1948 - (O).
- The Efficiency of Scarf Joints, A.P. Jessome. (Reprinted from Canadian Woodworker, June 1956) - (O).
- The Use of Eastern Canadian Woods in Glued Laminated Construction, D.E. Kennedy. (Reprinted from Timber of Canada, Aug. 1960) - (O).
- Strengthening Ring-Connected Timbers with Steel Strapping, A.P. Jessome and D.E. Kennedy. (Reprinted from Canadian Consulting Engineer, Nov. 1960) - (O).
- Finger Joints for Structural Usage, Borg Madsen and T.W. Littleford. (Reprinted from the Forest Products Journal, Feb. 1962) - (V).

PAINTS and PROTECTIVE COATINGS

A Method for Determining the Relative Fire-Retardant Values of Surface Coatings, R.C. Hubbard - Mimeo, Aug. 1951.

O-181 - A Simple Natural Finish for Exterior Siding, J.M. Harrington and F.W. King, Sept. 1959.

Blistering of Paints on Wood, J.J.G. Veer. (Reprinted from Lumber Dealer and Buyer, Aug. 1957) - (O).

* Extractives of Red and White Pine and Their Effect on Painted Lumber, N. Levitin. (Reprinted from Timber of Canada, June 1962) - (O).

PATHOLOGY - DECAY and STAINS

* Bulletin 113 Streaky Red Heart in Douglas Fir, H.W. Eades and J.B. Alexander, 1954 - (V).

" 116 Sap Stain and Mould Prevention on British Columbia Softwoods, H.W. Eades, 1956 - (V).

* Circular 34 Strength and Spike-Retention Properties of Jack Pine Ties Affected with Red Stain and Red Rot, G.H. Rochester, 1932 - (O).

" 58 Decay in Red-Stained Jack Pine Ties Under Service Conditions, C.W. Fritz and E.A. Atwell, 1941 - (O).

" 61 Cause and Prevention of Decay in Wooden Buildings with Particular Reference to the Coastal Region of British Columbia, H.W. Eades, 1945 - (V).

* " 63 Red Stain and Pocket Rot in Jack Pine - Their Effect on Strength and Serviceability of the Wood, 1948 - (O).

* " 65 Strength of Jack Pine Poles Infected with Pocket Rot, D.E. Kennedy and W.E. Wakefield, 1948 - (O).

Tech. Note 1 Decay and Discolorations in Poplar Pulpwood, E.A. Atwell - (O).

" " 11 Deterioration of Logging Residue on the British Columbia Coast, J.W. Roff and H.W. Eades - (V).

" " 32 Decay Resistance of Western Red Cedar — Relative to Kiln Seasoning, Colour and Origin of the Wood, J.W. Roff, E.I. Whittaker and H.W. Eades - (V).

Decay and Stains in Wood, C.W. Fritz. (Chapter 6 of book "Canadian Woods: Their Properties and Uses", 1951) - (O).

* O-111 - Strength and Spike Holding Quality of Jack Pine Ties Containing Red Rot, D.E. Kennedy, 1947.

V-1007 - Sap Stain and Mould Prevention - The Relative Efficacy of Certain Chemicals, H.W. Eades and J.W. Roff, 1950.

V-1019 - Wooden Scows - Some Factors Affecting Their Durability, H.W. Eades. (Revised, 1956).

(PATHOLOGY - DECAY and STAINS - continued)

- V-1023 - Red Heart Stain of Lodgepole Pine Logs in the Northern Interior of British Columbia, H.W. Eades and J.W. Roff, 1957.
- V-1025 - Red Heart Stain of Lodgepole Pine Logs in the Southern Interior of British Columbia, H.W. Eades and J.W. Roff, Sept. 1959.
- Tolerance of Some Fungi to a Water-Soluble Preservative and its Components, C. Madhosingh. (Reprinted from Forest Products Journal, Jan. 1961) - (O).
- The Metabolic Detoxication of 2, 4-Dinitrophenol by Fusarium Oxysporum, C. Madhosingh. (Reprinted from Canadian Journal of Microbiology, Aug. 1961) - (O).
- Regulation of Aeration in Wood Soil Contact Culture Technique, H.W. Eades and J.W. Roff. (Reprinted from Forest Products Journal, Sept. 1953) - (V).
- Toxicity Tests of a Water-Soluble Phenolic Fraction (Thujaaplicin-Free) of Western Red Cedar, J.W. Roff and J.M. Atkinson. (Reprinted from Canadian Journal of Botany, Jan. 1954) - (V).
- Loss in Stiffness Evaluates Decay Resistance of Wood Treated with Copper Naphthenate, J.W. Roff and H. Shen. (Reprinted from Forest Products Journal, Aug. 1959) - (V).
- Toxicity Tests of a New Tropolone, B-Thujaaplicinol (7-Hydroxy-4-Isopropyltropolone) Occurring in Western Red Cedar. J.W. Roff and E.I. Whittaker. (Reprinted from Canadian Journal of Botany Vol. 37, 1959) - (V).
- * Relative Decay Resistance of Western Hemlock and Douglas Fir Plywood and the Effect of Weathering, H.W. Eades and J.W. Roff. (Reprinted from Timber of Canada, Feb. 1960) - (V).
- Reduction of Decay in Packaged Lumber, J.W. Roff. (Reprinted from British Columbia Lumberman, May 1962) - (V).

PHYSICS

- * Bulletin 94 Density and Rate of Growth in the Spruces and Balsam Fir of Eastern Canada, J.D. Hale and J.B. Prince, 1940 - (O).
- * " 110 Dielectric Heating as Applied to the Woodworking Industries, R.W. Peterson, 1954 - (O).
- * Circular 30 Rate of Growth and Density of the Wood of White Spruce, J.D. Hale and K.G. Fensom, 1931 - (O).
- * Tech. Note 4 The Dielectric Properties of Resin Glues for Wood, T.J.S. Cole and O.S. Roscoe - (O).
- " " 16 The Dielectric Properties of Wood, R.W. Peterson, 1960 - (O).

(PHYSICS - continued)

- Pub. No. 1021 Non-Destructive Testing of Cross-Arms for Strength, D.G. Miller, 1963 - (0).
- * Radio-Frequency Power Requirements for Edge-Gluing, R.W. Peterson. (Reprinted from "Wood", Sept. 1951) - (0).
- * Edge-Gluing by Dielectric Heating, R.W. Peterson. (Reprinted from Canadian Woodworker, Feb. 1952) - (0).
- * Determination of the Fibre-Saturation Point of Wood by Centrifuging, E. Perem. (Reprinted from Forest Products Journal, April 1954) - (0).
- * Shrinkage of Red Oak and Beech, D.C. McIntosh. (Reprinted from Forest Products Journal, Oct. 1955) - (0).
- * Thickness and Density of Bark. Trends of Variation for Six Pulpwood Species, J.D. Hale. (Reprinted from Pulp and Paper Magazine of Canada, Dec. 1955) - (0).
- * Transverse Shrinkage of Red Oak and Beech, D.C. McIntosh. (Reprinted from Forest Products Journal, March 1957) - (0).
- * The Anatomical Basis of Dimensional Changes of Wood in Response to Changes in Moisture Content, J.D. Hale. (Reprinted from Forest Products Journal, April 1957) - (0).
- * Electrode Systems for Stray Field Heating, D.G. Miller. (Reprinted from Canadian Woodworker, Aug. 1958) - (0).
- * Physical and Anatomical Characteristics of Hardwood, J.D. Hale. (Reprinted from Pulp and Paper Magazine of Canada, Dec. 1958) - (0).
- * Sonic Detection of Blisters - For Plywood and other Bonded Materials, D.G. Miller. (Reprinted from Forest Products Journal, Aug. 1959) - (0).
- Selection Efficiencies of Nondestructive Strength Tests, D.G. Miller. (Reprinted from the Forest Products Journal, Aug. 1962) - (0).
- * Dielectric Heatings: Its application to wood bonding, D.G. Miller. (Reprinted from Canadian Woodworker, 1962) - (0).

PRESERVATION

- Bulletin 107 The Preservative Treatment of Fence-Posts by Non-Pressure Processes, (Revision 1) 1962 - (0).
- " 126 Protection of Wooden Structures in British Columbia Waters, G. Bramhall, 1960 - (V).
- Circular 26 Creosote Treatment of Douglas Fir, J.F. Harkom, 1929 - (0).
- * " 29 Strength Tests of Creosoted Douglas Fir Railway Ties, J.F. Harkom and J.B. Alexander, 1931 - (0-V).

(PRESERVATION - continued)

Circular 36 Leaching Tests on Water-Soluble Preservatives, C. Greaves,
1933 - (O).

Preservative Treatment of Wood, J.F. Harkom. (Chapter 7 of the book "Canadian
Woods: Their Properties and Uses", 1951) - (O).

O-149 - Accelerated Testing of Wood Preservatives, Including Wood Block
Soil Technique, H.P. Sedziak, 1949.

O-160 - Absorption and Penetration of Greensalt Solutions in Mountain
Douglas Fir and Eastern Spruce, M.J. Colleary, 1951.

O-166 - Hot and Cold Bath Preservative Treatment of Jack Pine and Spruce
Crossarms with Pentachlorophenol Solution, J. Krzyzewski.
(Reissued 1954).

O-174 - Treatment of Fence Posts of Non-Durable Species with Modern
Water-Born Preservatives by the Butt Diffusion Method,
J. Krzyzewski, May 1956.

O-175 - Penetration and Exudation of Oil in Sections of Pine Poles
Treated with Creosote-Pentachlorophenol Mixtures, H.P. Sedziak,
1956.

Report No. 190 The Hygroscopicity of Wood Treated with Fire-Retarding Compounds.
T.S. McKnight, 1962 - (O).

Preservative Treatment of Douglas Fir and Western Hemlock Sleepers in Canada,
C. Greaves. (Paper presented at Annual Meeting, British Wood
Preserving Association, 1951) - (O).

Some Physical Factors Influencing the Effectiveness of Preservatives, T.S. McKnight.
(Reprinted from Forest Products Journal, Dec. 1957) - (O).

Application of the Logistic Function of Toxicity Testing of Wood Preservatives,
T.S. McKnight. (Reprinted from Forest Products Journal,
March 1958) - (O).

Increasing the Durability of Wood, H.P. Sedziak. (Reprinted from Canada
Lumberman, August 1958) - (O).

Fungistatic Effectiveness and Leachability of Copper Abietate and Formate
Preservatives, T.S. McKnight and E. Merrill. (Reprinted from
Forest Products Journal, Sept. 1958) - (O).

New Preservatives and Treatment Methods, H.P. Sedziak. (Paper presented at
Fifth World Forestry Congress, 1960) - (O).

Fire-Retardant Treatment of Wood, H.P. Sedziak. (Reprinted from Timber of Canada,
Feb. 1961) - (O).

New Ways to Fight Wood Decay Fungi, H.P. Sedziak. (Reprinted from Canadian
Chemical Processing, July 1961) - (O).

A Method to Control Distillation of Liquids under Vacuum, W.M. Conners.
(Reprinted from The Canadian Journal of Chemical Engineering,
Aug. 1962) - (V).

(PRESERVATION - continued)

Vapour Pressures in Western Hemlock Heartwood During Boiling-Under-Vacuum in Creosote, G. Bramhall and W.M. Connors. (Reprinted from Forest Products Journal, Aug. 1955) - (V).

- * An Evaluation of Factors Affecting the Rate of Drying of Round Western Hemlock During the Boiling Under Vacuum Process, W.M. Connors and G. Bramhall. (Reprinted from Forest Products Journal, June 1957) - (V).

Factors Affecting the Amount of Naphthalene in Condensate During Boiling-Under-Vacuum in Creosote, G. Bramhall and W.M. Connors. (Reprinted from Forest Products Journal, July 1958) - (V).

Boiling and Impregnation in the Preservation of Round Western Hemlock, W.M. Connors and G. Bramhall. (Paper delivered to the American Wood-Preservers Association, 1961) - (V).

RESEARCH and INDUSTRIAL DEVELOPMENTS

Report No. 189 Grade Marking of Canadian Lumber. J.H. Jenkins, Sept. 1962 - (O).

The Challenge of Wood, J.H. Jenkins. (Paper presented before the Royal Canadian Institute, Toronto, Dec. 1953) - (O).

The Plywood Industry of Japan, J.H. Jenkins. (Reprinted from the Canadian Woodworker, April 1958) - (O).

Lumber Developments in the South Pacific, J.H. Jenkins. (Reprinted from the British Columbia Lumberman, April 1958) - (O).

The Forests and Forest Industries of Australia and New Zealand, J.H. Jenkins. (Reprinted from Timber of Canada, May and June 1958) - (O).

Growth of the Forestry Industry in the Soviet Union, J.H. Jenkins. (Reprinted from Pulp and Paper Magazine of Canada, Aug. 1958) - (O).

A Canadian's Impressions of Russia's Forest Industries, J.H. Jenkins. (Paper prepared for presentation at Annual Meeting of Forest Products Research Society, Syracuse, 1958) - (O).

Lumber - Is Its Future Secure? J.H. Jenkins. (Reprinted from Timber of Canada, Jan. 1959) - (O).

Will Synthetics Replace Wood Products? J.H. Jenkins. (Reprinted from Canadian Woodworker, Feb. 1959) - (O).

A Vital Responsibility - The FPLC Role in National Specifications, J.H. Jenkins. (Reprinted from Timber of Canada, Jan. 1960) - (O).

The Furniture Industry in British Columbia, K.G. Fensom. (Reprinted from Forest Products Journal, Dec. 1954) - (V).

RESIDUE UTILIZATION

- * Bulletin 101 Sawdust as Fuel in Eastern Canada, 1951 - (0).
- " 103 Wood Waste Utilization in Canada, J.H. Jenkins. (Reprinted at Sixth British Commonwealth Forestry Conference, 1952) - (0).
- " 108 Use of Sawmill Waste for Pulp in Eastern Canada, G.E. Bell, 1953 - (0).
- " 109 Utilization of Sawmill Waste in the Southern Coast Region of British Columbia, F.W. Guernsey, 1953 - (V).
- " 115 Logging Waste in Eastern Canada, J.A. Doyle, 1955 - (0).
- * Tech. Note 6 Wood Residues as Pulp Material and Developments in Wallboard Production, J.A. Doyle and F. Bender - (0).
- " " 7 A Pulp Chip Program to Utilize Sawmill Residue, G.E. Bell - (0).
- * " " 26 Some Conversion Factors and Related Information - for use in the primary forest industries of Eastern Canada, I.B. Flann - (0).
- * " " 31 Use of Wood and Wood Residues in Production of Fibreboard and Particle Board, H. Schwartz and F.W. King - (0).
- * Pub. No. 1008 Cedar Leaf Oils, F. Bender, 1963 - (0).
- Report No. 188 Timber Utilization in the Tweed and Kemptville Forest Districts of Ontario (with special reference to wood residues), W.W. Calvert, A.L. LeBrecque, J.W. Keenan, 1961 - (0).
- Progress in the Utilization of Sawmill Waste for Pulpwood, J.H. Jenkins. (Reprinted from Pulp and Paper Magazine of Canada, April 1956) - (0).
- F.P.L.'s War Against Wood Waste. (Reprinted from Canada Lumberman, Feb. 1957 - (0).
- Wood Residues in the Pembroke Forest District of Ontario - Preliminary Report (Sept. 1958) - (0).
- Pulp Chips from Small Sawmills, J.A. Doyle and G.W. Andrews. (Reprinted from Canada Lumberman, April 1959) - (0).
- Developments in the Utilization of Sawmill Residues for Pulping in Eastern Canada, J.A. Doyle. (Reprinted from Timber of Canada, Sept. 1959) - (0).
- Wood Residue as an Agricultural Aid, F. Bender. (Reprinted from Canada Lumberman, Feb. 1960) - (0).
- The Production of Charcoal in Canada, M. Cantin and J.D. Irwin. (Reprinted from Timber of Canada, July 1960) - (0).
- Production, Manufacture and Transportation of Pulp Chips from Sawmill Residue in Eastern Canada, J.A. Doyle and I.B. Flann. (Reprinted from Pulp and Paper Magazine of Canada, Feb. 1961) - (0).

(RESIDUE UTILIZATION - continued)

- * Utilization of Aspen Wood Residues, D.W. Stranks. (Reprinted from Forest Products Journal, July 1961) - (O).
- Slabwood Concentration Yards for the Production of Pulp Chips from Sawmill Residue, I.B. Flann. (Reprinted from Canada Lumberman, Dec. 1961) - (O).
- An Outline of the Barking and Chipping Equipment Available in Canada. Eastern Canada, I.B. Flann - Western Canada, J. Dobie and C.F. McBride. (Reprinted from Timber of Canada, Jan. 1962).
- Production of Wood Products from Lower Grade Materials, J.A. Doyle. (Reprinted from Timber of Canada, March 1962) - (O).
- Economics of Barking and Chipping (P-14), I.B. Flann. (Reprinted from Timber of Canada, January - February, 1963) - (O).
- Sawmill Chips - The Growing Use for Sawmill Residue in Eastern Canada (P-16), J.A. Doyle. (Reprinted from Pulp and Paper Magazine of Canada, June 1963) - (O).
- Trends in Wood Utilization in British Columbia, K.G. Fensom. (Paper presented at British Columbia Natural Resources Conference, 1952) - (V).
- Utilizing Residues from Western Red Cedar Mills, C.F. McBride. (Reprinted from Forest Products Journal, Sept. 1959) - (V).

SEASONING

- Bulletin 102 Moisture Content Changes in Seasoned Lumber in Storage and in Transit, 1952 - (V).
- " 111 Kiln-Drying of British Columbia Lumber, J.H. Jenkins and F.W. Guernsey, 1954 - (V).
- Circular 52 Change in Moisture Content of Yard-Piled Softwood Lumber in Eastern Canada, E.S. Fellows, 1937 - (O).
- " 64 Effect of Kiln-Drying Upon the Strength of Western Hemlock, J.B. Alexander and C.F. Archer, 1947 - (V).
- Tech. Note 2 High Temperature Kiln-Drying of Eastern Canadian Softwoods, J.L. Ladell - (O).
- " " 20 Wood Seasoning, R.S. Millett - (O).
- " " 21 Kiln-Drying of Lumber in Eastern Canada, R.S. Millett - (O).
- Seasoning of Lumber, R.S. Millett. (Chapter 5 of book "Canadian Woods: Their Properties and Uses", 1951) - (O).

(SEASONING-continued)

- V-1016 - Dimensional Changes in Poles Caused by Seasoning, W.J. Smith, 1954.
- Variation Throughout the Year in Moisture Content of Some Wooden Building Components, E. Brooks. (Reprinted from Timber of Canada, April 1956) - (O).
- High Temperature Drying of Yellow Birch, J.L. Ladell. (Reprinted from Forest Products Journal, Nov. 1956) - (O).
- High Temperature Kiln-Drying of Lumber - A Summary of Eastern Canadian Progress, W.W. Calvert. (Reprinted from Forest Products Journal, July 1958) - (O).
- High Temperature Kiln-Drying of Pre-Dried Yellow Birch Lumber (P-11), W.W. Calvert. (Reprinted from Canada Lumberman, Feb. 1963) - (O).
- Collapse in Western Red Cedar, F.W. Guernsey. (Reprinted from British Columbia Lumberman, April 1951) - (V).
- Changes in Circumferential Dimensions of Douglas Fir Poles During Seasoning, W.J. Smith. (Reprinted from B.C. Lumberman, June 1951) - (V).
- * Deterioration of Wooden Dry Kilns Used for Drying Western Hemlock Lumber, H. MacLean and J.A.F. Gardner. (Reprinted from The Lumberman, Dec. 1951) - (V).
- * Aluminum Sheet Linings for Wooden Kilns, H. MacLean and J.A.F. Gardner. (Reprinted from The Lumberman, Dec. 1953) - (V).
- * An Evaluation of the Factors which Affect the Rate of Drying of Round Western Hemlock During the Boiling-Under-Vacuum Process, W.M. Conners and G. Bramhall. (Reprinted from Forest Products Journal, June 1957) - (V).
- High Temperature Drying of British Columbia Softwoods, F.W. Guernsey. (Reprinted from Forest Products Journal, Oct. 1957) - (V).
- The Air Drying of Lumber in Western Canada, F.W. Guernsey. (Reprinted from British Columbia Lumberman, Jan. 1960) - (V).
- Air Circulation in Dry Kilns, M. Salamon. (Reprinted from published Proceedings of the Meeting of the Western Dry Kiln Clubs, held at Missoula, Montana, June 23-24, 1960) - (V).
- Kiln-Drying of Unbundled Shingles at High Temperatures, M. Salamon. (Reprinted from Timber of Canada, Sept. 1960) - (V).
- Kiln-Drying Cost Factors in British Columbia (P-12), F.W. Guernsey. (Reprinted from British Columbia Lumberman, Jan. 1963) - (V).

STRENGTH and RELATED PROPERTIES

- Bulletin 104 Effect of Exposure on Douglas Fir Cross-Arms, W.E. Wakefield, 1952 - (O).
- * " 113 Streaky Red Heart in Douglas Fir, H.W. Eades and J.B. Alexander, 1954 - (V).
- " 119 Determination of the Strength Properties and Physical Characteristics of Canadian Woods, W.E. Wakefield, 1956 - (O).
- Circular 28 Strength Tests of Creosoted Douglas Fir Beams, J.F. Harkom and G.H. Rochester, 1930 - (O).
- * " 29 Strength Tests of Creosoted Douglas Fir Railway Ties, J.F. Harkom and J.B. Alexander, 1931 - (O-V).
- " 31 Strength of Telephone Poles, Eastern Cedar, Red Pine and Jack Pine. (Revised 1947) - (O).
- * " 34 Strength and Spike-Retention Properties of Jack Pine Ties Affected with Red Stain and Red Rot, G.H. Rochester, 1932 - (O).
- " 51 Comparison of the Mechanical and Physical Properties of the Heartwood and Sapwood of Yellow Birch, W.E. Wakefield - (O).
- * " 63 Red Stain and Pocket Rot in Jack Pine - Their Effect on Strength and Serviceability of the Wood, 1948 - (O).
- * " 65 Strength of Jack Pine Poles Infected with Pocket Rot, D.E. Kennedy and W.E. Wakefield, 1948 - (O).
- Tech. Note 3 Strength and Related Properties of Wood Grown in Canada.
- * " " 13 The Effect of Compression Wood on the Mechanical Properties of White Spruce and Red Pine, E. Perem - (O).
- " " 15 The Strength of Douglas Fir Telephone Poles, W.M. McGowan - (V).
- " " 27 The Strength of Western Hemlock Power and Communication Poles, W.M. McGowan - (V).
- " " 30 Span Tables for Wood Joists and Rafters for Housing - (O).
- * Pub. No. 1021 Non-Destructive Testing of Cross-Arms for Strength, D.G. Miller, 1963 - (O).
- Mechanical and Physical Properties of Canadian Woods, W.E. Wakefield - (Chapter 4 of the book "Canadian Woods: Their Properties and Uses", 1951) - (O).
- * O-111 - Strength and Spike Holding Quality of Jack Pine Ties Containing Red Rot, D.E. Kennedy, 1947.
- V-1028 - Variation of Strength Properties Within Trees and Between Trees in a Stand of Rapid-Growth Douglas Fir, T.W. Littleford, 1961.
- Report No. 193 Strength Properties of Wood Treated with Fire Retardants. A.P. Jessome, 1962 - (O).

(STRENGTH and RELATED PROPERTIES - continued)

Worm Holes in Jack Pine, D.E. Kennedy. (Reprinted from Timber of Canada, Jan. 1957) - (O).

- * The Effect of Compression Wood on the Mechanical Properties of White Spruce and Red Pine, E. Perem. (Reprinted from the Forest Products Journal, Aug. 1958) - (O).

Physical and Mechanical Properties of Second-Growth Douglas Fir, J.B. Alexander. (Reprinted from A.S.T.M. Bulletin 169, Oct. 1950) - (V).

Strength of Fire-Killed Timbers, W.J. Smith. (Reprinted from Prairie Lumberman, April 1955) - (V).

TIMBER HARVESTING and LUMBER MANUFACTURE

- | | | |
|------------|--------|------------------------------------------------------------------------------------------------------------------------------------|
| Bulletin | 99 | Factors Influencing the Manufacture of Sawlogs into Lumber in Eastern Canada, G.E. Bell, 1951 - (O). |
| * | " | 100 Effects of Chemical Treatment of Pulpwood Trees, D.C. McIntosh, 1951 - (O). |
| Tech. Note | 5 | Effect of Tree Size of Spruce and Balsam Fir on Harvesting and Conversion to Lumber in Nova Scotia, J.A. Doyle - (O). |
| " | " | 10 The Short Log Bolter - Its Use in Conversion of Canadian Woods, W.W. Calvert - (O). |
| " | " | 18 Grading Hardwood Logs for Factory Lumber, W.W. Calvert - (O). |
| " | " | 19 Effect of Tree Size of Jack Pine on Harvesting and Conversion to Lumber in Northern Ontario, J.A. Doyle and W.W. Calvert - (O). |
| * | " | 26 Some Conversion Factors and Related Information - for use in the primary forest industries of Eastern Canada, I.B. Flann - (O). |
| " | " | 28 Variable Factors Affecting Skidding Production in Logging, W.E. McCraw - (O). |
| " | " | 34 How to Evaluate the Quality of Hardwood Logs for Factory Lumber, F.J. Petro - (O). |
| * | O-158 | - Studies of the Floating Properties of Pulpwood Logs, D.C. McIntosh, 1951. |
| | O-184 | - Comparison of Taper Sawing and Through-and-Through Sawing, 1960. |
| | V-1015 | - Logging and Milling Balsam, C.F. McBride and G.R.W. Nixon, 1954. |
| | V-1017 | - Breakage and Other Losses in Logging on the British Columbia Coast, G.R.W. Nixon, 1955. |
| | V-1020 | - Factors Affecting Lumber Recovery from Spruce in the Prince George Area of British Columbia, C.F. McBride, 1956. |

(TIMBER HARVESTING and LUMBER MANUFACTURE - continued)

- V-1024 - Losses Incurred in Drying and Dressing Lumber in the Prince George Area of B.C., C.F. McBride, 1958.
- Report No. 185 Suggested Manufacturing Tolerances in Producing Lumber. G.W. Andrews and T.F. Imada, 1962 - (0).
- Lumber Handling at the Rear of the Sawmill, G.E. Bell and P.E. Martin. (Reprinted from Timber of Canada, April 1951) - (0).
- Gangsaw Production Higher in Small Log Conversion, G.E. Bell. (Reprinted from Canada Lumberman, Sept. 1951) - (0).
- Power at the Headsaw, G.W. Andrews. (Reprinted from Timber of Canada, April 1954) - (0).
- Adjustable Sawmilling Gauge, G.W. Andrews. (Reprinted from Timber of Canada, May 1954) - (0).
- Lumber and Pickets. A Comparison of Recovery by Two Edging Methods, G.W. Andrews. (Reprinted from Timber of Canada, July 1954) - (0).
- A Review of Canadian Forestry Utilization Practices, J.H. Jenkins. (Paper delivered to Annual Meeting, Canadian Institute of Forestry, Chicoutimi, October 1956).
- Grading Hardwood Logs for Factory Lumber, W.W. Calvert. (Reprinted from Timber of Canada, May 1957) - (0).
- Your Circular Headrig - How to Get the Most From It, G.W. Andrews. (Reprinted from Timber of Canada, Jan. 1958) - (0).
- Controlling Your Sawmill Production, G.W. Andrews. (Reprinted from Canada Lumberman, May 1958) - (0).
- * Review of Literature on Bark Adhesion and Methods of Facilitating Bark Removal, E. Perem. (Reprinted from Pulp and Paper Magazine of Canada, Sept. 1958) - (0).
- Small Sawlogs and the Production of Spruce Lumber, J.A. Doyle. (Reprinted from Timber of Canada, April 1960) - (0).
- Some Effects of Mill Type on the Sawing of Small Logs, T.F. Imada. (Reprinted from Canada Lumberman, Aug. and Oct. 1960) - (0).
- Developing An Experimental Two-Piece Circular Saw Blade, J.S. Johnston. (Reprinted from Forest Products Journal, Sept. 1960) - (0).
- Careful Bucking Yields More Profits, F.J. Petro. (Reprinted from Canada Lumberman, Feb. 1961) - (0).
- Experimental Cut-Off Saw design and operation, J.S. Johnston. (Reprinted from the Forest Products Journal, June 1962) - (0).
- Hardwood Dimension Stock - Its future in Canada (P-10), I.E. Flann. (Reprinted from Canadian Wood Products Industries, Jan. 1963) - (0).

(TIMBER HARVESTING and LUMBER MANUFACTURE - continued)

- A Logging Study in a Typical Overmature Spruce-Balsam Forest of the Southern Interior of British Columbia, G.R.W. Nixon, Vancouver Laboratory. (Reprinted from British Columbia Lumberman, Jan. 1955) - (V).
- Losses Incurred in Drying and Dressing Lumber in the Southern Interior of British Columbia, C.F. McBride. (Reprinted from Forest Products Journal, June 1955) - (V).
- Logging Waste Survey in Alberta, G.R.W. Nixon and R.W. Kennedy. (Reprinted from Prairie Lumberman, Nov. 1956) - (V).
- Felling and Bucking Losses in the Southern Interior of British Columbia, G.R.W. Nixon and D.C. Gunn. (Reprinted from British Columbia Lumberman, March 1957) - (V).
- Salvage Yarding on the B.C. Coast, J.A. McIntosh and D.C. Gunn. (Reprinted from the British Columbia Lumberman, Jan. 1959) - (V).
- How Log Loading Affects Utilization, J.A. McIntosh. (Reprinted from Canada Lumberman, January 1960) - (V).
- Lumber Degrade Caused by Ambrosia Beetles, C.F. McBride and J.M. Kinghorn. (Reprinted from British Columbia Lumberman, July 1960) - (V).
- Pre-logging with a Portable Steel Spar, J.A. McIntosh and D.C. Gunn. (Reprinted from British Columbia Lumberman, Aug. 1960) - (V).
- Lumber Grades Recovered from Pruned Douglas Fir Trees, C.F. McBride. (Reprinted from The Forestry Chronicle, Dec. 1961) - (V).
- Sawing Small Logs (P-5), C.F. McBride. (Reprinted from the Forestry Chronicle, June 1963) - (V).

VENEER and PLYWOOD

- Tech. Note 14 Setting Veneer Lathes with Aid of Instruments, A.O. Feihl - (O).
- " " 25 Peeling Defects in Veneer - Their Causes and Control, O. Feihl and V. Godin - (O).
- Pub. No. 1004 The Rotary Cutting of Douglas Fir, O. Feihl, H.G.M. Colbeck and V. Godin, 1963 - (O-V).
- * Veneers, Plywoods and Wood Adhesives, D.G. Miller - (Chapter 10 of the book "Canadian Woods: Their Properties and Uses", 1951) - (O).
- Report No. 177 Curved Plywood -- Its Production and Application in the Furniture Industry. D.G. Miller, 1962 - (O).
- Curved Plywood - A Modern Mass Production Material, R.W. Peterson, 1950 - (O).

(VENEER and PLYWOOD - continued)

- Manufacture of Lumber-Core Plywood, D.G. Miller. (Reprinted from Timber of Canada, Nov. - Dec. 1950) - (O).
- Rotary-Cutting of Curly Yellow Birch, A.O. Feihl. (Reprinted from Canadian Woodworker, May and June 1955) - (O).
- Cutting White Spruce Veneers for Plywood, A.O. Feihl. (Reprinted from Canadian Woodworker, November 1956) - (O).
- White Elm Veneer and Plywood, A.O. Feihl. (Reprinted from Timber of Canada, Sept. 1956) - (O).
- Reducing Heat Distortion in the Knife and Pressure Bar Assemblies of Veneer Lathes, A.O. Feihl. (Reprinted from the Forest Products Journal, July 1958) - (O).
- Improved Profiles for Veneer Knives. A.O. Feihl. (Reprinted from Canadian Woodworker, August 1959) - (O).
- * Sonic Detection of Blisters - For Plywood and Other Bonded Materials, D.G. Miller. (Reprinted from Forest Products Journal, Aug. 1959) - (O).
- Wear, Play, and Heat Distortion in Veneer Lathes, A.O. Feihl. (Reprinted from Canadian Woodworker, Dec. 1960) - (O).
- Veneer and Plywood for Finish Flooring, M. Cantin. (Reprinted from Canadian Woodworker, July 1962) - (O).
- Development of the Glue-Line Cleavage Test, P.L. Northcott. (Paper presented at National Annual Meeting, Forest Products Research Society, 1952) - (V).
- Wood Failure - Within Species and Between Species, P.L. Northcott. (Reprinted from Forest Products Journal, June 1958) - (V).
- Some Factors Influencing the Design of Douglas Fir Plywood Panels, H.G.M. Colbeck, P.L. Northcott. (Reprinted from Forest Products Journal, August 1958) - (V).
- Effect of Dryer Temperatures on Bending Strength of Douglas Fir Veneers, P.L. Northcott and H.G.M. Colbeck. (Reprinted from Forest Products Journal, Sept. 1959) - (V).
- Undercure --- Casehardening in Plywood, P.L. Northcott, H.G.M. Colbeck, W.V. Hancock and K.C. Shen. (Reprinted from Forest Products Journal, December 1959) - (V).
- * Relative Decay Resistance of Western Hemlock and Douglas Fir Plywood and the Effect of Weathering, H.W. Eades and J.W. Roff. (Reprinted from Timber of Canada, Feb. 1960) - (V).
- Prediction of Plywood Bond Durability, P.L. Northcott and H.G.M. Colbeck. (Reprinted from Forest Products Journal, Aug. 1960) - (V).

(VENEER and PLYWOOD - continued)

Microscopic Identification of Undercured Glue Bonds in Plywood, W.V. Hancock and P.L. Northcott. (Reprinted from Forest Products Journal, July 1961) - (V).

Effect of Heat Treatment on the Surface of Douglas Fir Veneer (P-26), W.V. Hancock. (Reprinted from the Forest Products Journal, Feb. 1963) - (V).

MISCELLANEOUS

Forest Products Research Branch -- Ottawa and Vancouver Laboratories.

V-1027 - Some Conversion Factors for British Columbia Forest Products, F.W. Guernsey. December 1959.

ANNUAL REPORT of the Forest Products Research Branch.

Removal of Moss from Shingle Roofs, H.W. Eades. (Reprinted from British Columbia Lumberman, March 1951) - (V).

Wood Piles - Specifications and Mechanics, J.B. Alexander. (Reprinted from Forest Products Journal, 1953) - (V).

* Heartwood Extractives in Digester Corrosion, H. MacLean and J.A.F. Gardner. (Reprinted from Pulp and Paper Magazine of Canada, Nov. 1953) - (V).

Differentiation of Sapwood and Heartwood in Western Hemlock by Colour Tests, H.W. Eades. (Reprinted from Forest Products Journal, March 1958) - (V).

Improved Device for Measuring Deformation of Wood Specimens in Compression Parallel to the Grain, W.M. McGowan and J.T. Yelf. (Reprinted from the Forest Products Journal, Oct. 1958) - (V).

Recherches sur les produits de la forêt (tirage à part d'articles mensuels publiés dans Forêt Conservation)

Numéro 1 (mars 1962)

Numéro 2 (avril-septembre 1962)

Numéro 3 (octobre-décembre 1962)

Numéro 4 (janvier-juin 1963)

DIVERS

Effet du coefficient d'humidité du bois sur le collage, par H.G. Bergin, mémoire technique n° 12F, 1960.

Le choix des colles, par H.G. Bergin, 1959. (Traduction d'un article tiré de Canadian Woodworker)

COLLAGE DU BOIS

La solidité des boîtes de beurre et de fromage renforcées et non renforcées, par G.H. Rochester, circulaire n° 24F, 1929.

La production du charbon de bois au Canada, par M. Cantin, 1961. (Reproduction d'un article publié dans Forêt Conservation)

Utilisation de la sciure de bois comme combustible dans l'est du Canada, bulletin n° 101, 1956.

Le séchage artificiel à haute température des bois résineux de l'est du Canada, par J.L. Ladell, mémoire technique n° 2, 1958.
 Genres de séchoirs, par R.S. Millett, bulletin n° 0-133F, 1950.
 Détermination du coefficient d'humidité et emploi de planches témoin dans le séchage artificiel, par R.S. Millett, bulletin n° 0-145F, 1954.

Efforts du bois au séchage et leur détermination, par R.S. Millett, bulletin n° 0-146F, 1954.
 Séchage du boudou jeune (merisier) à haute température, par J.L. Ladell, 1959. (Traduction d'un article tiré de Forêt Produits Journal)

PRÉSERVATION DU BOIS

Le traitement preserverteur des poteaux de clôture par des procédés sans pression, par M.J. Colleary, bulletin n° 107, 1956.

Preservertifs du bois et leur application, bulletin n° 178F, 1955.

Traitement des poteaux de clôture faits d'essences peu durables, au moyen de preservertifs en milieu aqueux par la méthode de l'imprégnation de la base, par J. Krzyzewski, mémoire technique n° 0-174F, 1958.

Après du matériel d'écorçage et de mise en copeaux disponible dans l'est du Canada, par I.B. Flann et M. Cantin, 1962. (Reproduction d'un article publié dans Forêt Conservation)

Aspects économiques de l'écorçage et de la fabrication de copeaux, par I.B. Flann, article n° P-14, 1963. (Reproduction d'un article publié dans Forêt Conservation)

Centrale de conversion des résidus de sciage en copeaux à pâte chimique, par I.B. Flann et M. Cantin, 1963. (Reproduction d'un article publié dans Forêt Conservation)

Production, fabrication et transport des copeaux à pâte provenant des rebuts de sciage dans l'est du Canada, par J.A. Doyle et I.B. Flann, 1962.

Les déchets de coupe dans l'est du Canada, par J.A. Doyle, bulletin n° 115, 1957.

Revue des modes d'utilisation des forêts du Canada, par J.H. Jenkins, 1958.

PUBLICATIONS FRANÇAISES

ANATOMIE DU BOIS

La structure du bois, par J.D. Hæle, article n° P-22, 1963.
(Reproduction d'un article publié dans Forêt Conservation)

SCIAGE

La classification des billes de bois franc destinées à la transformation en bois d'oeuvre, par F.J. Petro, mémoire technique n° 34F, 1963.

Le classement des billes de sciage de bois franc, par W.W. Calvert, rapport n° 192F, 1963.

Le tronçonnement judicieux accroît les bénéfices, par F.J. Petro, 1962. (Traduction d'un article tiré de Canada Lumberman)

Le marquage de la qualité du bois de construction du Canada, par J.H. Jenkins, rapport n° 187F, avril 1962.

L'influence de certains facteurs sur le débitage des billes de sciage en bois d'oeuvre dans l'est du Canada, par G.E. Bell, bulletin n° 99, 1954.

Amélioration du rendement de la scierie, par G.W. Andrews, 1960. (Traduction d'un article tiré de Canada Lumberman, mai 1958)

La scie principale, comment en obtenir le meilleur rendement, par G.W. Andrews, 1958. (Traduction d'un article tiré de Timber of Canada, janvier 1958)

La force motrice de la scie principale, par G.W. Andrews, 1962. (Traduction d'un article tiré de Timber of Canada)

L'éventail du bois d'oeuvre, par J.H. Jenkins, 1962. (Traduction d'un article tiré de Timber of Canada)

Le scie à billon, son emploi dans la transformation des bois canadiens, par W.W. Calvert, mémoire technique n° 10F, 1960.

SÉCHAGE DU BOIS

Le séchage du bois, par R.S. Mallett, mémoire technique n° 20F, 1963.

POUR OBTENIR LES PUBLICATIONS

Toutes les publications mentionnées dans cette liste sont offertes gratuitement. Les demandes doivent être adressées comme suit:

Direction des recherches
sur les produits forestiers,
Ministère des Forêts,
Ottawa.

Tout renseignement technique ayant rapport aux propriétés et aux usages des produits de la forêt peut être obtenu également sur simple demande.

LA DIRECTION DES RECHERCHES
SUR LES PRODUITS FORESTIERS

Une récente brochure intitulée "FOREST PRODUCTS RESEARCH BRANCH" fait l'historique des recherches sur les produits forestiers au Canada et elle intéresse tous ceux qui s'occupent de produits forestiers. Renséignement de nombreuses illustrations, cette publication de 28 pages expose en détail les antécédents et le rôle de la Direction ainsi que de ses deux laboratoires, suivis de faits concernant divers domaines d'activités, la collaboration offerte par la Direction, le programme de recherches, l'organisation, le personnel et la dissémination des renseignements. On peut obtenir des exemplaires gratuits de cette brochure.

La Direction des recherches sur les produits forestiers du ministère fédéral des Forêts exécuté des recherches dans le domaine des produits forestiers, destinées à rendre l'utilisation du bois plus efficace, à en diminuer les déchets et à participer ainsi à l'essor soutenu des industries forestières du Canada.

Les Laboratoires de la Direction situés à Ottawa et à Vancouver effectuent des recherches sur les propriétés mécaniques, physiques et chimiques des bois du Canada, sur la mise au point de nouveaux et meilleurs usages des produits forestiers et sur le perfectionnement des techniques de fabrication.

On entretient des relations étroites entre les industries des produits forestiers et les gros usagers du bois, afin de conserver l'équilibre entre les recherches appliquées et les exigences de l'industrie. A cet égard, une commission consultative composée de représentants de seize associations manufacturières qui forment l'industrie des produits forestiers au Canada apporte son concours.

La Direction des recherches sur les produits forestiers s'est rendu compte depuis longtemps que les conclusions de la recherche offrent au pays, peu d'avantages économiques pratiques, s'il en est, à moins qu'elles ne soient acceptées par l'industrie et appliquées à des fins industrielles. C'est pourquoi, on consacre une attention soutenue à la dissémination de ces conclusions.

Par l'intermédiaire du Service de l'information et des renseignements techniques et du Service de liaison industrielle de la Direction, les résultats des recherches sont transmis aux milliers d'usines, que comprennent l'industrie de fabrication et l'industrie usagère de produits ligneux, afin de favoriser l'emploi économique de notre grand héritage national, les forêts.

Publication autorisée par
l'honorable John R. Nicholson, C.P.
Ministre des Forêts
Ottawa, 1963

DIRECTION DES RECHERCHES
SUR LES PRODUITS FORESTIERS
Le directeur, J.H. Jenkins

Laboratoire d'Ottawa
Le surintendant, H. Schwartz

Laboratoire de Vancouver
Le surintendant, J.A.F. Gardner

Gouvernement
Publications

CANADA
MINISTÈRE DES FORÊTS

LABORATOIRES
D'OTTAWA ET DE VANCOUVER

de la
DIRECTION des RECHERCHES
sur les PRODUITS FORESTIERS

LISTE DE PUBLICATIONS

À JOUR
ET 1963

Government
Publications

~~7917~~
~~4803~~
1963

Canada. Dept. of Forestry.
Forest Products Research Branch
List of publications

Government
Publications

PLEASE DO NOT REMOVE
CARDS OR SLIPS FROM THIS POCKET

UNIVERSITY OF TORONTO LIBRARY

DECATALOGUED

